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(54) **Fast-drying aqueous compositions with hollow particle binders and traffic paints made thereof**

(57) The present invention provides fast-drying aqueous compositions that lower the cost of making roadway markings without impairing the quality or appearance of the markings made therewith. The aqueous compositions comprise one or more hollow core binder having an average particle size of from 200 to 500 nanometers (nm), preferably from 300 to 470 nm, and made of a first polymer having a glass transition temperature (T<sub>g</sub>) of 50°C or more and containing one or more void, the first polymer being substantially encapsulated by one or more second polymer having a T<sub>g</sub> of -30°C or more, preferably, - 20 °C or more. Fast-drying aqueous compositions may be one component or two component com-

positions. One component compositions comprise one or more volatile base, one or more polyfunctional amine, and one or more hollow core binder with a second polymer chosen from, for example, an anionically stabilized emulsion polymer, a polyamine functional polymer, a polymer having strong pendant cationic groups containing and mixtures thereof. The polyfunctional amine can be part of the hollow core binder. Two component compositions comprise one or more aqueous hollow core binder and an absorber component. The present invention also provides coatings and roadway markings made from the fast-drying aqueous compositions.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 08 25 0142

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 January 2009	Examiner Yildirim, Zeynep
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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